

**\*\*11/4/03 DRAFT\*\***

**Fire Regime Condition Class (FRCC) Interagency Handbook  
Reference Conditions**

**Modeler:** Doug Havlina

**Date:** 8/14/03

**PNVG Code:** PPIN9

**Potential Natural Vegetation Group:** Ponderosa Pine (Black Hills).

**Geographic Area:** Southern and eastern Montana, northern Wyoming, western North Dakota.

**Description:** PNVG occurs in landscape mosaic with plains grasslands, juniper, and sagebrush types on flat and gentle south-facing slopes. Historically, found with mixture of western bunchgrass and plains grassland communities.

**Fire Regime Description:** Fire Regime I, primarily short-interval (e.g., <25 yr) surface fires.

**Vegetation Type and Structure**

Class	Percent of Landscape	Description
A: post replacement	10	Grass and forb dominated community following fire and grazing effects
B: mid-development closed	15	Dense mid-development forest; pole to large pole size trees susceptible to stagnation. Marginal understory associated with limited site resources.
C: mid- open	25	Open mid-development forest with diverse herbaceous understory. Maintained by frequent burning.
D: late- open	40	Open late-development forest; widely spaced trees, diverse understory, and limited surface fuels due to frequent burning.
E: late- closed	10	Dense late-development forest with significant within-stand mortality. Poorly developed understory and substantial surface fuel accumulation.
Total	100	

**Fire Frequency and Severity**

Fire Frequency-Severity	Modeled Probability	Pct, All Fires	Description
Replacement Fire	.005	12	Crown fire in B and E

Non-Replacement Fire	.038	88	Mostly surface fire; limited mosaic fire in B, C, and E
All Fire Frequency*	.043	100	

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\*Sum of replacement fire and non-replacement fire probabilities.

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## VDDT RESULTS







